



Jim

## Memorandum

To: Jeff Montera, Project Manager

From: Angela Frandsen, Quality Assurance Manager *ahf*

Reviewed by: Krista Lippoldt, Quality Assurance Coordinator for EPA Region VIII RAC *KL*

Date: August 20, 2002

Subject: Libby CSS QAM checklist for 7/28/02 to 8/10/02

The following summarizes the QA activities that are being verified biweekly by the QAM for the Libby CSS. These activities are discussed in Section 7 of the CSS Final SAP. This memorandum covers the above-referenced two-week time period.

### 1. Field Team Orientation

*(QAM will attach the signature page for each orientation )*

Number of new field team members: 1

Number of field team member orientations: 1. See attached signature list.

Comment: It was noted during review of the previous memorandum that some team members had not signed the list. At this writing, the orientation list is being reconciled against the list of trained CSS personnel. An updated list will be included in the next memorandum.

### 2. Field Form Completion Checks (IFFs and FSDSs)

*(QAM will perform a 10% check on completed field forms sent to Helena for evidence that field team members are doing the required QC checks.)*

Number of IFFs completed: 277 between 7/28 and 8/10/02

Number of IFFs received in Helena: 216 (IFFs shipped to Helena would include those from 7/26 to 8/8 because they are shipped on Fridays)

Number and percent of IFFs checked by the QAM for completeness and correctness: 27 (12.5%); 3 forms were found with problems (see attached list).

Corrective Action: List of IFF forms with problems sent to CSS Task Leader for corrective action - see attached list for details on corrective actions taken

Number and percent of IFFs checked by the CSS task leader for completion and correctness: 188 (Note: information not tracked until 7/31/02)

Number of FSDSs completed: 351

Number of FSDSs received in Helena: 376 (FSDSs shipped to Helena would include those from 7/26 to 8/8 because they are shipped on Fridays)

Number and percent of FSDSs checked by the QAM for completeness and correctness: 43 (11.4%); 1 form found with problems (see attached list).

Corrective Action Taken: List of FSDSs forms with problems sent to CSS Task Leader for corrective action - see attached list for details on corrective actions taken.

Number and percent of FSDSs checked by the CSS task leader for completion and correctness: 332 (Note: information not tracked until 7/31/02).

Comment: It was discovered that copies of IFFs and FSDSs to be sent to Helena were being made prior to the CSS Task Leader performing her daily paperwork checks, accounting for some of the problems found by the QAM. Photocopies will not be made until after CSSTL has done her daily checks.

### 3. Supplemental Verification of Vermiculite Product

*(CSS field team leader to notify QAM by email if this occurs)*

Number of occurrences of supplemental verification: One

Addresses of verifications: 287 Kootenai Drive (BD-001305). The soils team asked the CSS Task Leader to verify that the area in question should be identified as a sandy soil and not a soil with fine-grained vermiculite. Upon inspection, two very small flakes of vermiculite were found. Because of the very small amount of vermiculite observed, the CSS Task Leader confirmed that the area should be described as a sandy soil and not a soil with fine-grained vermiculite.

### 4. Screening Field Checks

*(CSS task leader will check 2% of all properties)*

Total number of residences visited during time period: 277

Number and percent of screening field checks performed by task leader: 3 checks between 7/28 and 8/10/02 (BD-001258, 1284, and 1304), 1%

Corrective Action: CSS Task Leader was aware she was behind and had increased the frequency of the 2% checks. However, she was on vacation during one of the two weeks of this time period, making the frequency appear much lower. During the writing of this memorandum, the CSS Task Leader focused on making up these 2% checks, and the results of her effort will be included in the next memorandum.

### 5. Field Audits

Field audit conducted when and by whom? None during this time period

### 6. Field QC Samples (July 28 through August 10, 2002)

Field Duplicates (1/20)

Number of field samples collected: 759

Number of duplicates collected: 37

Ratio: 0.97/20

Equipment Blanks (1/day)

Number of days soil sampling occurred: 12

Number of equipment blanks collected: 12

Ratio: 1/day

Aqueous Rinsates (1/day, 3 different weeks throughout field season)

Number of days expected to collect rinsates during the time frame: 6

Number of rinsates collected: 6

Ratio: 1/day

Next time period rinsates expected to be collected: October (week not specified at this time)

Total number of rinsates collected since sampling began: 12

Comment: Duplicate ratio short by only one duplicate, no corrective action necessary at this time.

Preparation Duplicates (1/20)

Number of samples prepared by the CDM laboratory: 465

Number of preparation duplicates collected: 24

Ratio: 1.03/20

Preparation Blanks (1/day)

Number of days that samples were prepared by the CDM laboratory: 4

Number of preparation blanks collected: 4

Ratio: 1/day

Comment:

SEM/IR Splits (first 500 samples: 1/5 of IR  $\leq$  0.5%, 1/10 of IR  $>$  0.5% and  $\geq$  1%)

Total number of samples  $\leq$  0.5%: None yet

Number and percent of SEM/IR splits: None yet

Total number of samples  $>$  0.5% and  $\geq$  1%: None yet

Number and percent of SEM/IR splits: None yet

Comment: No laboratory yet under contract to perform soil analysis, either for IR or SEM. Anni Autio (laboratory coordinator) in charge of arranging this once laboratories are subcontracted.

7. Data Entry Checks (10% of Volpe data entry)

Number of data entries: None (no analytical results)

Number and percent of data entries checked: None (no analytical results - data entry to be checked after analytical data are uploaded into database)

Name of person(s) checking data entries: NA at this time

8. Data Validation

Number of samples validated and reviewed and by whom: None, no analytical results yet

Number of sample results rejected: 0 out of 0

9. CDM Document Review

Documents issued to the client: Final Sampling and Analysis Plan (SAP) Addendum for the Cemetery Park Ball Fields (July 31, 2002) and Draft SAP Addendum for the Stimson Lumber Company Area (August 8, 2002).

Which ones required Editorial Review and was review conducted? Both required editorial review. Cemetery Ballfields Addendum did not receive an editorial review. Corrective action: PM Jeff Montera was trained on 8/23/02 on the editorial review process and reminded that all documents issued to the client must receive an editorial review (see attached Quality Procedure training form).

Which ones required Technical Review and was review conducted? Yes, see attached QC Review Sheets

Which ones required QA review and was review conducted? Yes, see attached QC Review Sheets

Field Record of Deviation/Request for Modification forms completed and sent to EPA for approval: Forms 43 (Secondary Structure IFF is completed only when vermiculite is present in the secondary structure) and 48 (added an area to record the date of soil sample collection on the IFF) received the required Technical and QA reviews and were sent to EPA for final approval.

**Overall Comments:**

As with the last two memoranda, the largest concern remains that the laboratory is not yet under contract to begin IR analysis on the soil samples. This will result in a delay in interpreting the results from the QA samples and implementing any potential corrective actions to the sampling program if any issues arise. Additionally, this will result in a delay in providing analytical results to the residents whose homes were sampled and making any remedial decisions.

cc: Jim Christiansen, EPA  
Mary Goldade, EPA  
Dee Warren, CDM  
Dave Schroeder, CDM  
Terry Keller, CDM  
George DeLullo, CDM

## CSS Orientation Program

Name	Office	Date	Signature
Dee Warren	Denver	5/8/02	Dee Warren
Noel Anderson	NS	5/8/02	Noel Anderson
TOM VANDERWEL	LONG BEACH	5/8/02	TOM VANDERWEL
CHRIS WORTHINGTON	FAIRFAX	"	Chris Worthington
Brian Pyle	Pittsburgh	5/8/02	Brian Pyle
Mike Coffey	OKR-Lge	5-8-02	Mike Coffey
Tammy Keller	Helena	5/8/02	Tammy Keller
Michael Green	Fairfax	5/8/02	Michael Green
Douglas J. Updike	K.C.	5/8/02	Douglas J. Updike
Johnny Cook	DENVER	5/8/02	Johnny Cook
Joe Seiverson	Fairfax	5/8/02	Joe Seiverson
MARC SCHLESBUSCH	KANSAS CITY	5/29/02	Marc Schlesbusch
Bob Alexander	Helena	5/29/02	Bob Alexander
Karen J Berry	Cambridge	5/29/02	Karen J Berry
Robert HUNT	Fairfax	6/10/02	Robert Hunt
Karin Hainzhausen	Helena	6/13/02	K. Hainzhausen
Albert Munoz	Carlsbad	6/18/02	Albert Munoz
Richard Ecker	Dallas-Ft	6/18/02	Richard Ecker
Don Krolowicki	Syracuse	6/17/02	Don Krolowicki
Brian Hiltz	K.C.	6/17/02	Brian Hiltz
Cherie Fingert	Fairfax	6/17/02	Cherie Fingert
Bob Tolford	Atlanta	7/9/02	Bob Tolford
Regina Clifford	San Diego	7/9/02	Regina Clifford
Kristin Sloane	Wayne	7/9/02	Kristin Sloane
DANIELLE SAINT LOUIS	WOODBRURY	7/9/02	Danielle Saint Louis
Robert Szakaly	Pittsburgh	7/9/02	Robert Szakaly
WALTER SMITH	EL PASO, TX	7-9-02	Walter Smith
AIMEE VESSELL	SYRACUSE, NY	7/16/02	Aimee Vessel
Gwen Pozza	Helena	7/23/02	Gwen Pozza
RAUDAU ROBERTS	ABQ	7/23/02	Raudau Roberts
Kenneth Peterson	FAIRFAX	8/12/02	Kenneth Peterson

**IFFs that need to be corrected:**

**Period:** Paperwork received for weeks of 7/28/02 through 8/10/02

IFF BD#'s	10% QC Check problem found	Corrective Action Taken	Date Corrected
BD-001085	p.1 Number of rooms per floor above ground not circled	Original copy in Libby shows 1 circled and 8 rooms on that floor (error was discovered during CSSTL daily paperwork checks). No action.	No correction
BD-001145	p. 3 outdoor assessment - comment indicates possible LA in garden, "yes" should be circled	CSSL corrected as team members Worthington and Munoz are currently not on site.	8/20/2002
BD-001216	New line in header indicating date soil samples collected was not completed	CSSL added date. Informed all soils teams to complete this item.	8/20/2002

BD- 001085

8/7/24/02

**LIBBY ASBESTOS PROJECT**  
**Contaminant Screening Study**  
**Primary Structure and Property Assessment Information Field Form**

Field Logbook No.: 100090 Page No.: 28 Site Visit Date: 7/24/02  
 Address: 99 Ramona Dr. Structure Description: House  
 Occupant: Karen Williams Phone Number: 293-5159  
 Owner (if different than occupant): NA Phone Number: NA  
 Sampling Team: Shawn Oliveira CDM, Dean Kozlowski CDM  
 Field Form Check Completed by (100% of forms): DEAN KOZLOWSKI  
 Screening Field Check Completed by (2% of forms): \_\_\_\_\_

Data Item	Value	Notes
<b>HOUSE ATTRIBUTES</b>		
Property Description	<u>Residential</u> Industrial Commercial	
Surrounding Land Use	<u>Residential</u> Industrial Commercial School Mining Other: _____	
Year of Construction	_____ <u>Unknown</u>	
Square Footage	<u>1600 ft<sup>2</sup></u>	
Construction Material	<u>Wood frame</u> Masonry/Stone Other: _____	
Number of Floors Above Ground	<u>1</u> 2 3 Other: _____	
Number of Rooms Per Floor Above Ground	1: <u>8</u> 2: <u>12</u> 3: _____ Other: _____	
Basement	Yes <u>No</u>	<u>Crawl Space</u>
Heating Source	<u>Wood/Coal</u> <u>Electric</u> Propane/Gas Other: _____	
Heat Distribution	Forced air <u>Radiant</u> Other: _____	

## S INFORMATION FIELD FORM (continued)

Address: 500 DOME MOUNTAIN AVEBD# 001145

Data Item	Value	Notes
<b>INDOOR ASSESSMENT</b>		
Vermiculite Insulation Past or Present	Attic: Yes <u>No</u> NA Unknown Walls: Yes <u>No</u> NA Unknown Basement: Yes <u>No</u> NA Unknown Crawl Space: Yes <u>No</u> NA Unknown Other: _____	Visual confirmation of current presence or absence required for attic.
Evidence of Physical Damage?	Yes <u>No</u>	
Evidence of Water Damage?	<u>Yes</u> No	POSSIBLY IN ATTIC
<b>OUTDOOR ASSESSMENT</b>		
Libby Amphibole Sources Present	Garden: <u>Yes</u> No NA Yard: Yes <u>No</u> NA Stockpiles: Yes <u>No</u> NA Other: _____	POSSIBLE IN GARDEN
Proximity to Other Properties with Potential Sources of Libby Amphiboles	Next door Within same block Other: _____ <u>Unknown</u>	



BD- 001216

□ Soil samples collected (date: 7/31/02)

**LIBBY ASBESTOS PROJECT**  
**Contaminant Screening Study**  
**Primary Structure and Property Assessment Information Field Form**

Field Logbook No.: 100087 Page No.: 99/100 Site Visit Date: 7/27/02  
 Address: 305 Northwood Ave Structure Description: house  
 Occupant: Mary Pfeifer Phone Number: 293-3211  
 Owner (if different than occupant): Same Phone Number: " "  
 Sampling Team: Gwen Porega, Paul Open, Bob Sarkis  
 Field Form Check Completed by (100% of forms): [Signature]  
 Screening Field Check Completed by (2% of forms): [Signature]

Data Item	Value	Notes
<b>HOUSE ATTRIBUTES</b>		
Property Description	<u>Residential</u> Industrial Commercial	
Surrounding Land Use	<u>Residential</u> Industrial Commercial School Mining Other: _____	
Year of Construction	<u>1986</u> Unknown	
Square Footage	<u>1300 Level 1, 1300 Level 2</u>	
Construction Material	<u>Wood frame</u> Masonry/Stone Other: _____	
Number of Floors Above Ground	1 <u>2</u> 3 Other: _____	
Number of Rooms Per Floor Above Ground	1: <u>6</u> 2: <u>5</u> 3: _____ Other: _____	
Basement	<u>Yes</u> No	
Heating Source	Wood/Coal Electric Propane/Gas Other: <u>heat pump</u>	
Heat Distribution	<u>Forced air</u> Radiant Other: _____	

**FSDSs that need to be corrected:**

Period: Paperwork received for weeks of 7/28/02 through 8/10/02

FSDS CSS#'s	10% QC Check problem found	Corrective Action Taken	Date Corrected
CSS-001430	QC check not signed	Was corrected by CSSTL on 7/31/02 during her daily paperwork checks. All team members were reminded at 8/20/02 morning meeting to complete QC portion of all field forms.	7/31/2002

Sheet No.: CSS (S)

001430

Jb 7/31/02

# **CONTAMINANT SCREENING STUDY** **FIELD SAMPLE DATA SHEET FOR SOIL**

Scenario No.: NA Field Logbook No: 100092 Page No: 96-97 Sampling Date: 7/30/02Address: 173 Crossway Ave Owner: Vacant HomeBusiness Name: NA (De Shazer Realty)Land Use: (circle) Residential School Commercial Mining Roadway Other ( )Sampling Team: (circle) CDM PES Other \_\_\_\_\_ Names: Richard Eustice, Randy Blants

7/30/02  
PR  
FECS  
D3

Data Item	Sample 1 <u>7/30/02</u>	Sample 2	Sample 3
Index ID	<b>CS- 03140</b>		
Location ID	<b>SP- 113662</b>		
Sample Group	<u>Driveway</u>		
Location Description (circle)	<u>Back yard</u> Front yard Side yard Other _____	<u>Back yard</u> Front yard Side yard Other _____	<u>Back yard</u> Front yard Side yard Other _____
Category (circle)	<u>ES</u> FD of _____ Field Blank (lot or equipment)	<u>FS</u> FD of _____ Field Blank (lot or equipment)	<u>FS</u> FD of _____ Field Blank (lot or equipment)
Matrix Type (Surface soil unless other wise noted)	<u>Surface Soil</u> Other _____	<u>Surface Soil</u> Other _____	<u>Surface Soil</u> Other _____
Type (circle)	<u>Grab</u> <u>Comp. # subsamples 5</u>	<u>Grab</u> Comp. # subsamples _____	<u>Grab</u> Comp. # subsamples _____
Sample Time	<u>1105 1040</u>		
Top Depth (in.)	<u>0</u>		
Bottom Depth (in.)	<u>6</u>		
Grid, Quadrant, Section	<u>---</u>		
Field Comments	<u>BD-001147</u> <u>PR 7/30/02</u>		
	Entered ____ Validated ____	Entered ____ Validated ____	Entered ____ Validated ____

Field Team	Initial
Completed by	<u>PR</u>
QC by	<u>DW 7-31-02</u>

• Frandsen, Angela

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**From:** Warren, Dee  
**Sent:** Friday, August 02, 2002 2:49 PM  
**To:** Frandsen, Angela  
**Subject:** RE: supplemental verification

BD-001305

-----Original Message-----

**From:** Frandsen, Angela  
**Sent:** Friday, August 02, 2002 2:27 PM  
**To:** Warren, Dee  
**Subject:** RE: supplemental verification

I guess I probably need to include the BD number of the residence (?).  
-Angela

-----Original Message-----

**From:** Warren, Dee  
**Sent:** Friday, August 02, 2002 2:24 PM  
**To:** Frandsen, Angela  
**Subject:** supplemental verification

A supplemental verification has actually occurred.

At 287 Kootenai Drive - soils team requested I mob to the address to verify a area contained sandy soil and not vermiculite. The recon team did not identify the sandy soil as containing vermiculite. Upon inspection two very small flakes of vermiculite were found. CSS TL identified the area as a sandy soil not a soil with very fine grained vermiculite.

If you have any questions, please let me know.

Thanks,

Dee Warren  
CSS Task Leader

**CDM**

318 Louisiana Ave  
Libby, MT 59923  
406-295-8595  
FAX 406-295-8901

**CDM** Federal Programs Corporation

## Quality Control Review Sheet

Contract Name: <u>RAC VIII</u>	Project Number: <u>3282-116</u>
Document Type: <u>SAP ADDENDUM</u>	Number of Pages: <u>FEW</u>
Document Title/DCN: <u>CEMETERY PARK BALL FIELDS</u>	
Initiated By: <u>J. MONTELA</u>	Product Author: <u>J. MONTELA</u>
Date Initiated: <u>7/26/02</u>	Date Due to Client: <u>7/31/02</u>
QCC: <u>CLINT WARRIN</u>	Internal Due Date: <u>7/30/02</u>

Reviews Required	Document Version
<input type="checkbox"/> Editorial <input checked="" type="checkbox"/> Technical <input checked="" type="checkbox"/> QCC <input checked="" type="checkbox"/> QA*	<input type="checkbox"/> Preliminary Draft <input type="checkbox"/> Working Draft <input type="checkbox"/> Final Draft <input type="checkbox"/> Final Document
Regulatory Review <input type="checkbox"/> Engineering Review <input type="checkbox"/> Other: _____	
Estimated Review Hours: Editorial: _____ Technical <u>0.5</u> QCC <u>0.5</u> QA <u>0.5</u> Regulatory _____ Engineering _____ Other _____ Charge Number: _____	

\*QA review is required for work plans, field plans, measurement reports, and documents procuring technical services.

Editorial Reviewer:	Due Date	Date Reviewed	Signature
Report Item	No Changes	See Text for Changes	Please Call to Discuss
Overall Organization	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Format	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clarity, Consistency, Grammar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reference List/Citations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tables/Figures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
QCC Confirmation of Changes <input type="checkbox"/>			

Technical Reviewer:	Due Date	Date Reviewed	Signature
Report Item	No Changes	See Text for Changes	Please Call to Discuss
Intended Scope Stated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Technical Adequacy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calculations Checked	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tables/Figures Support Text	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Conclusions Justified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
QCC Confirmation of Changes <input type="checkbox"/>			

Additional Reviewer:	Date Reviewed:	Signature:
<input type="checkbox"/> QA <input type="checkbox"/> Regulatory <input type="checkbox"/> Engineering <input type="checkbox"/> Other	<u>7/26/02</u>	<u>[Signature]</u>

Word Processor:	Signature:
<u>[Signature]</u>	

QCC Final Confirmation Signature: [Signature]Date 7-29-02

**CDM** Federal Programs Corporation

## Quality Control Review Sheet

Contract Name: <u>RAGULL</u>		Project Number: <u>3282-116</u>	
Document Type: <u>Draft SAP</u>		Number of Pages	
Document Title/DCN: <u>Draft SAP Addendum for the Spinson Lumber Company</u>			
Initiated By: <u>K. Lippold</u>		Product Author: <u>K. Lippold</u>	
Date Initiated: <u>8/6/02</u>		Date Due to Client: <u>8/8/02</u>	
QCC:		Internal Due Date: <u>8/17/02</u>	

Reviews Required		Document Version	
<input checked="" type="checkbox"/> Editorial	<input type="checkbox"/> Regulatory Review	<input type="checkbox"/> Preliminary Draft	
<input checked="" type="checkbox"/> Technical	<input type="checkbox"/> Engineering Review	<input type="checkbox"/> Working Draft	
<input checked="" type="checkbox"/> QCC	<input type="checkbox"/> Other: _____	<input type="checkbox"/> Final Draft	
<input checked="" type="checkbox"/> QA*		<input type="checkbox"/> Final Document	
Estimated Review Hours: Editorial: <u>1/2</u> Technical: <u>1-2</u> QCC: <u>1</u> QA: <u>1</u> Regulatory: _____			
Engineering: _____ Other: _____ Charge Number: _____			

\*QA review is required for work plans, field plans, measurement reports, and documents procuring technical services.

Editorial Reviewer: <u>T. Morrell</u>	Due Date: <u>8/7/02</u>	Date Reviewed: <u>8/6/02</u>	Signature: <u>[Signature]</u>
Report Item	No Changes	See Text for Changes	Please Call to Discuss
Overall Organization	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Format	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clarity, Consistency, Grammar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reference List/Citations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tables/Figures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
QCC Confirmation of Changes <input type="checkbox"/>			

Technical Reviewer: <u>R.P. Smith &amp; F. Morris</u>	Due Date: <u>8/7/02</u>	Date Reviewed: <u>8/6/02</u>	Signature: <u>[Signature]</u>
Report Item	No Changes	See Text for Changes	Please Call to Discuss
Intended Scope Stated	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Adequacy	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calculations Checked	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tables/Figures Support Text	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Conclusions Justified	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
QCC Confirmation of Changes <input type="checkbox"/>			

Additional Reviewer: <u>G. DeLullo</u>	Date Reviewed: <u>8/6/02</u>	Signature: <u>[Signature]</u>
<input checked="" type="checkbox"/> QA <input type="checkbox"/> Regulatory <input type="checkbox"/> Engineering <input type="checkbox"/> Other		

Word Processor:	Signature:
-----------------	------------

QCC Final Confirmation Signature: [Signature] Date: 8/6/02

QP Number: 1.1  
Revision No.: 3  
Date: March 31, 1995  
Page: 5 of 7

**CDM Federal Programs Corporation**

Program/Task: Libby Contaminant Screening Study

Date/Time: 10:00 AM 8/23/02

Instructor(s): Angela Frandsen, Libby CSS QAM

Jeff Montero

Rycka Landrum  
for J. Montero

000048



# Record of Deviation/ Request for Modification

to the  
Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fill in contacts at bottom of form for review and approval.  
File approved copy with Data Manager and fax copy to SRC.

Project QAPP (circle one): PE Study Part a (approved 6/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00) CSS (approved 8/02)

Scenario No. (circle one): 1 2 3 4 NA

Requester: Dce Warren  
Company: CDM

Title: CSS Task Leader  
Date: 7-30-02

## Description of Deviation:

Addition of area for recording date of soil sample collection  
in the header portion of the primary IFE.

Field Logbook and page number deviation is documented on: 100091 page 19

## Reason for Deviation:

To be able to determine if item when sample collection occurred  
by looking at the IFE

## Potential Implications of this Deviation:

None

## Duration of Deviation (circle one):

Temporary

Date(s):

Resident address(es):

Permanent

(complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

See attached logbook pages

## Technical Review:

(Volpe Project Manager or designate) does not apply to CSS

Date:

7/30/02

## Quality Assurance Review and Approval:

(Quality Assurance Coordinator or designate)

Date:

8/20/02

Reviewed By:

(USEPA RPM, OSC, or SSO)

Title:

RPM

Date:

8/20/02

8QAPPmodformv01.doc  
9/7/02





# Record of Deviation/ Request for Modification

to the  
Libby Sampling and Quality Assurance Project Plan

Instructions to Requester: Fax to contacts at bottom of form for review and approval.  
File approved copy with \_\_\_\_\_

Project QAPP (circle one): PE Study Part a (approved 6/00), b (approval pending), c (approval pending)  
Phase I (approved 4/00) Phase II (approved 2/01)  
Removal Action (approved 7/00) CSS (approval 5/02)

Scenario No. (circle one): 1 2 3 4 NA

Requester: Dee Warren  
Company: CDM

Title: CSS Task Leader  
Date: 6/29/02

## Description of Deviation:

Secondary Structure IFFs will be completed only when vermiculite is present in the secondary structure.

Field Logbook and page number deviation is documented on: 100057 pg III

## Reason for Deviation:

Secondary IFF not need for documentation when no vermiculite is present. See potential in procedure

## Potential Implications of this Deviation:

None - presence or absence of vermiculite in each structure will be documented in logbook and primary IFF

## Duration of Deviation (circle one):

Temporary

Date(s):

Resident address(es):

Permanent

(complete Proposed Modification Section)

Proposed Modification to SQAPP (attach additional sheets if necessary; state section and page numbers of SQAPP when applicable):

See attached copy of logbook pages.

## Technical Review:

(Voice Project Manager or designee) does not apply to CSS

Date: 7/29/02

## Quality Assurance Review and Approval:

(Quality Assurance Coordinator or designee)

Date: 8/29/02

## Approved by:

(USEPA RRM, OBC, or SSC)

Title: RPM

Date: 8/20/02